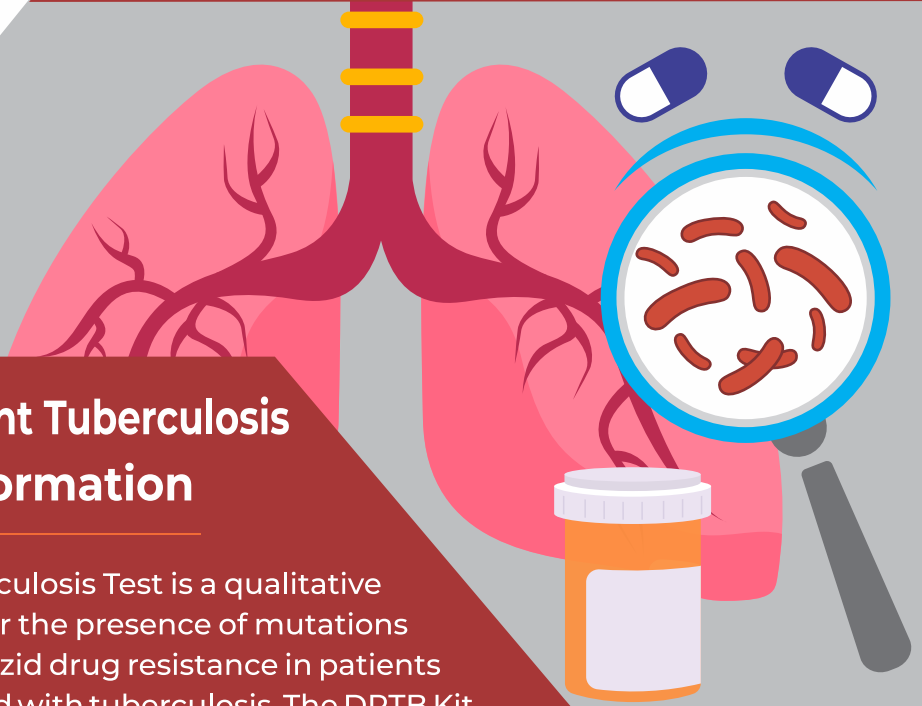




COSARA
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SARAGENE™ Drug-Resistant Tuberculosis Real-Time PCR Test



SARAGENE™ Drug-Resistant Tuberculosis Real-Time PCR Test Information

SARAGENE™ Drug-Resistant Tuberculosis Test is a qualitative Research Use Only screening test for the presence of mutations associated with Rifampicin or Isoniazid drug resistance in patients who have been previously diagnosed with tuberculosis. The DRTB Kit is indicated for use as a primary level test to identify mutations in *rpoB*, *inhA*, and/or *katG* genes in patients who have been diagnosed with tuberculosis and require treatment.

Results within three hours

The DRTB RT-PCR test can be performed in less than three hours. The test requires a clean, contamination free environment with Hood, Centrifuge, Pipettes and RT-PCR machine. This Kit is compatible with most RT-PCR devices with Green channel.



DRTB Real-Time PCR kit

- Compatible with multiple sample types.
- Contains a simple and streamlined work flow.
- Includes positive control.
- Produces results that are easy to interpret.
- Compatible with multiple platforms & sample extraction techniques.



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Sensitive, Fast and Affordable Molecular Diagnostics
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SARAGENE™

Drug-Resistant Tuberculosis

Real-Time PCR Test Specifications

About DRTB Test

The large amount of genomic variation in multiple genes associated with M.tuberculosis drug resistance makes it difficult to detect variation by traditional hybridization probe methods. Resistance- associated point mutations, insertions, and deletions have been described for Rifampicin and Isoniazid, which are two of the most used first-line drugs for treatment of tuberculosis. For this reason, Co-Diagnostics has developed a method to isolate the gene target area and detect mutations based on melting temperatures of the overlapping probes which allow the entire target area to be covered. This assay looks for variation in the rpoB, inhA and katG regions associated with Rifampicin and Isoniazid resistance respectively. Results from the DRTB test identify if a genomic variation is present in the targeted areas, which if present will be reported as resistant.

Application	Qualitative RT-PCR test
Sample type	Pulmonary & Extra-pulmonary Samples
Type of detection	Presence or absence of mutations in deoxyribonucleic acid (DNA) of rpoB, inhA, and katG genes associated with Mycobacteria tuberculosis drug resistance
Sensitivity	Sensitivity: 100% (against known Rifampicin and Isoniazid susceptible and resistant samples)
Thermal cycler compatibility	Green Channel (FAM™)

DRTB Kit Includes

Mastermix (1-6)	For Samples
Mastermix 7	For Positive Control
Mastermix 8	For Negative Control
Negative Control	Nuclease Free Water

Ordering Information

Product Name	Product Code	Number of Reaction
SARAGENE™ Drug-Resistant Tuberculosis Real-Time PCR Test	DRT01	25 Rxs
		50 Rxs
		100 Rxs



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